CA7965000

DATE OF PREP

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

Section I

MANUFACTURER'S NAME BOSTIK WEST, DIV. OF USM CORPORATION. AN EMHART

STREET ADDRESS 20846 So. Normandie Ave. city, STATE, AND ZIP CODE Torrance, Ca.

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS

EPOXY

10 - 81

TRADE NAME

PARTA BOSTIK

MANUFACTURERS CODE IDENTIFICATION

473-13

OCCUPATIONA

Catalyst: C-31

Mix Ratio: 100 parts 473-13(Base)

to 7.1 parts C-31 by weight.

Section II — HAZARDOUS INGREDIENTS

CX7965000

INGREDIENT 473-13(Base Only)	CAS No.	PEBCENT (Wt.)	TL PPM	V mg/M³	LEL	VAPOR PRESSURE IIIII Hg.
Methyl Ethyl Ketone	.78-93-3	5-10	200		1.8	70
Methyl n-Butyl Ketone	591-78-6	5-10	25		1.2	10
Butyl Alcohol	71-36-3	< 5.0	100		1.7	4
Xylene	1330-20-7	< 5.0	100		1.0	7
1						

Section III - PHYSICAL DATA

BOILING RAN

176-284° F.

VAPOR DENSITY

X HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER

X SLOWER, THAN ETHER

PERCENT VOLATILE BY VOLUME

22%

WEIGHT PER 8.7 lbs.

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY

Red Label, Flammable

(Min) FLASH POINT

23° F.

Tag Closed

1.0 LEL

EXTINGUISHING MEDIA

Exclude air - Use foam, CO2, steam, water fog,

dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect

personnel.

Section V — HEALTH HAZARD DATA See Section II THRESHOLD LIMIT VALUE **EFFECTS OF OVEREXPOSURE** Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes. EMERGENCY AND FIRST AID PROCEDURES : Skin Exposure: Wash affected area with soap and Eye Exposure: Flush with water for at least 15 minutes, consult physician. Ingestion: Consult physician immediately. Inhalation: Remove victim to fresh air, consult physician. Section VI — REACTIVITY DATA conditions to Avoid Storage at high temperatures. XX STABLE INCOMPATABILITY (Materials to avoid) Strong oxidizing agents. Sparks & open flame. HAZARDOUS DECOMPOSITION PRODUCTS On combustion CO, CO2, Aldehydes and other organics, oxides of nitrogen. HAZARDOUS POLYMERIZATION MAY OCCUR XX WILL NOT OCCUR CONDITIONS TO AVOID Section VII - SPILL OR LEAK PROCEDURES STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes from area. Prevent liquied from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without wasted by hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water. Consult disposal expert and ensure conformity with local regulations. Section VIII — SPECIAL PROTECTION INFORMATION RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non ventilated area. Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

ventilation: Face velosity > 60fpm in confined area.

PROTECTIVE GLOVES Chemically resistant gloves.

EYE PROTECTION Chemical splash goggles or face shield.

OTHER PROTECTIVE EQUIPMENT Eye bath & Safety shower.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed when not in use. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied -these other precautions containers retain product residues (vapor, liquid, etc.).

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

Technical Administrative Manage:

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

Section I

MANUFACTURER'S NAME BOSTIK WEST, DIV. OF USM CORPORATION, AN EMHAR

STREET ADDRESS 20846 So. Normandie Ave. CITY, STATE, AND ZIPCODE Torrance,

EMERGENCY TELEPHONE NO. (213)

(213) 320-6800

PRODUCT CLASS

DATE OF PREP

AMINE

10 - 81

DPM3430

PART B.

TRADENAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION

(C-31)

Catalyst for: 473-13; 473-24; & 473-25. Mix Ratio: 100 parts 473-

(Base) to 7.1 parts C-31 by wt.

Section II -	HAZARDOUS	INGREDIENTS
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INGREDIENT C-31 Epoxy Catalyst	CAS No.	PERCENT (Wt.)	T PPM	LV mg/M³	LEL	VAPOR PRESSURE
Aminoethylpiperazine	140-31-8	100	*NE		NE	0.05
		-				
1						
*NE-Not Established OSHA, ACGIH	**					

Section III - PHYSICAL DATA

BOILING RANGE 410 F.

VAPOR DENSITY

X HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER

X SLOWER, THAN ETHER

PERCENT VOLATILE

Nil

WEIGHT PER

8.22 lbs.

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY

Corrosive Material Combustible Liquid

FLASH POINT 212° PMCC

LEL NE

EXTINGUISHING MEDIA

Exclude air - Use foam, ${\rm CO_2}$, steam, water fog,

dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II EFFECTS OF OVEREXPOSURE Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.

EMERGENCY AND FIRST AID PROCEDURES: Skin Exposure: Wash affected area with soap and water. Exposure: Flush with water for at least 15 minutes, consult physician.

Ingestion: Consult physician immediately.

Inhalation: Remove victim to fresh air, consult physician.

Section VI — REACTIVITY DATA						
STABILITY UNSTABLE XX STABLE CONDITIONS TO AVOID: Storage at high temperatures. Incomparability (Materials to avoid) Strong oxidizing agents, Inorganic acids Sparks & Open Flame HAZARDOUS DECOMPOSITION PRODUCTS On combustion CO, CO ₂ , Oxides of nitrogen.						
HAZARDOUS POLYMERIZATION MAY OCCUR XX WILL NOT OCCUR CONDITIONS TO AVOID None						
Section VII — SPILL OR LEAK PROOFFILES						

n vii — Spill ok leak phocedures

steps to be taken in case material is released or spilled Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust or oil absorbing compound. Wash waste disposal method area with detergent & water. Consult disposal expert and ensure conformity with local regulations.

Section VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Use approved respiratory protection such as an air-supplied mask if used in non ventilated area. Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

ventilation Face velosity > 60 fpm in confined area.

PROTECTIVE GLOVES: Chemically resistant gloves.

Chemical splash goggles or face shield. EYE PROTECTION :

Eye bath & safety shower. OTHER PROTECTIVE EQUIPMENT :

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Material is sensitive to moisture & should be kept in tightly closed containers. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may other precautions be hazardous when emptied these containers retain product residues (vapor, liquid, etc).

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

Kenneth J. Silberberg

Technical Administrative Manager